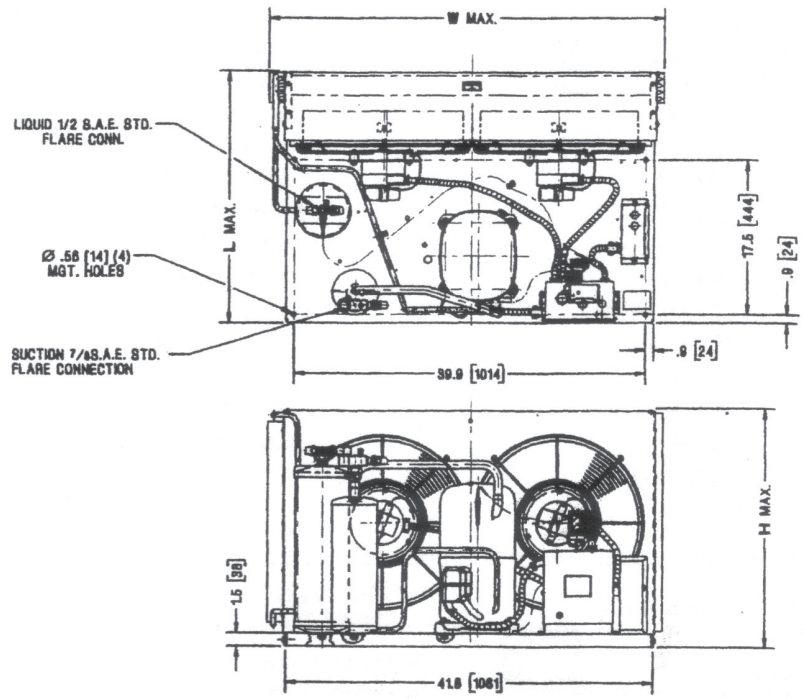
AGA4563EXNXM

April 1, 1997

Revision 2003

TECUMSEH HERMETIC CONDENSING UNITS

MODEL AGA4563EXNXM (B/M 2A5058-9) R-22 5 HP AIR COOLED



NOTE: DIMENSIONING = INCHES (MILLIMETERS) MO

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AGA4563EXNXM	28.6	44.9	26.9	18.0	7/8 S	1/2 F	34.7#	5000	65	331

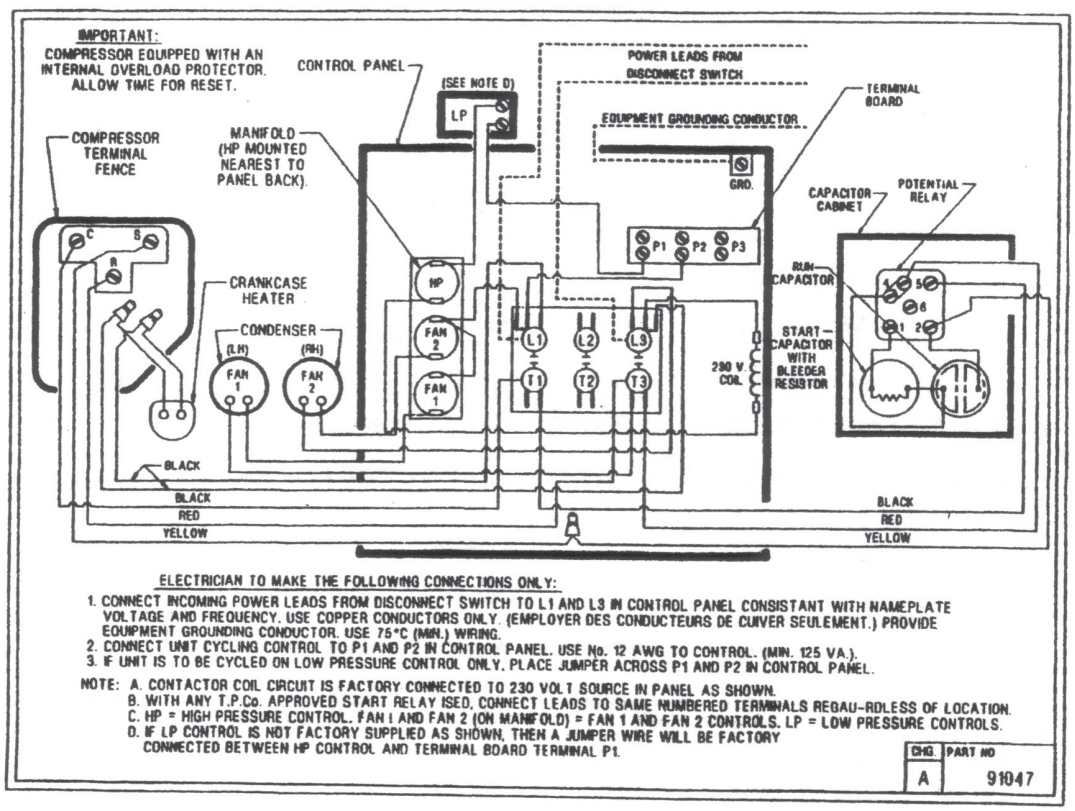
*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
C = Compression Fitting
Factory charge: 20 psig nitrogen - MUST BE EVACUATED 60 HZ PERFORMANCE

Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	43.0	42000	5000	220	37600	5120	250	33100	5220	280
30	54.8	50000	5800	232	45500	5910	260	41000	6080	290
40	68.5	58000	6500	245	54100	6700	275	49700	6920	304
45	76.0	62450	6900	255	58500	7210	284	53800	7370	313
50	84.0	65300	7300	265	61450	7600	295	57200	7820	325

Date: January 2003
Unit Catalog Update

SPECIFICATIONS	**AGA4563EXNXM**
Nominal Voltage	230/208-1
Unit B/M	2A5058-9
Voltage Range	253 to 197
Min. Circuit Ampacity	42.1
Max. Fuse Size (Amps)	70
Compressor Model	**AGA5561EXN**
Comp. Bill of Material	AG133ET-018
RLA/LRA	30.5/165.0
ESP Overload	Internal
ESP Relay	P82966
Capacitor Cabinet	AE1197-013
Control Panel	AC1391-10
Start Capacitor	85PS330D16
Rating	130-156MFD/330V
Run Capacitor	85PR440E90
Rating	55MFD/440V
Fan Switch (s)	84096-1
	84096-2
High Pressure Switch	84095-1

Control	84026-5 (LP)
Contactor	91012 (40 AMP 230V Coil)
Fan Motor (OEM)	810S186B40
Fan RLA	1.90RLA
Replacement Motor	TFM1862
Fan Motor Bracket	Grd. Mnt.
Fan Blade	51528-2 (2 req)
Shroud	70611-1
Condenser	K42-1
Fan Guard	70832 (2 req)
Receiver Tank	51082-2
Receiver Tank Valve	31585 (1/2" F) RL
Suction Rotolock	31576 M-Lock 7/8"
O' Ring Gasket	30234
Optional Outdoor Enclosure	TP-311D
Crankcase Heater (If Inc)	90699
Accumulator	TK00044000
Unit Drawing	SU1901-21
Schematic or Elect. Drawing	91047


IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
CONTROL PANEL
(SEE NOTE D)
LP
POWER LEADS FROM DISCONNECT SWITCH
TERMINAL BOARD
EQUIPMENT GROUNDING CONDUCTOR
GRD.
COMPRESSOR TERMINAL FENCE
MANIFOLD (HP MOUNTED NEAREST TO PANEL BACK).
CAPACITOR CABINET
POTENTIAL RELAY
C
S
R
P1
P2
P3
RUN CAPACITOR
CRANKCASE HEATER
HP
CONDENSER
(LH)
(RH)
FAN 2
FAN 1
L1
L2
L3
T1
T2
T3
START CAPACITOR WITH BLEEDER RESISTOR
230 V. COIL
BLACK
BLACK
RED
YELLOW
BLACK
RED
YELLOW
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 AND L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE No. 12 AWG TO CONTROL. (MIN. 125 VA.).
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 VOLT SOURCE IN PANEL AS SHOWN.
B. WITH ANY T.P.Co. APPROVED START RELAY ISED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGAU-RDLESS OF LOCATION.
C. HP = HIGH PRESSURE CONTROL. FAN 1 AND FAN 2 (ON MANIFOLD) = FAN 1 AND FAN 2 CONTROLS. LP = LOW PRESSURE CONTROLS.
D. IF LP CONTROL IS NOT FACTORY SUPPLIED AS SHOWN, THEN A JUMPER WIRE WILL BE FACTORY CONNECTED BETWEEN HP CONTROL AND TERMINAL BOARD TERMINAL P1.
CHG. A
PART NO 91047

Some parts listed may be optional or listed as replacement parts.